



Department of Computer Science

香港城市大學
City University of Hong Kong

Master of Science in Cybersecurity

Programme
Code

P91



Programme Aims



Enable computer professionals to strengthen and upgrade their theoretical understandings and technical capabilities in cybersecurity



Enhance students' comprehensive knowledge and profound comprehension of specialised cybersecurity domains, encompassing both technical and practical aspects



Prepare graduates to take up research and advanced innovative development work in the industry or pursue higher research studies in cybersecurity

Entrance Requirements



Bachelor's degree in a computing discipline
(e.g., Computer Science, IT, Computer Engineering, Information Systems)



Bachelor's degree in a related discipline
(e.g., Electronic Engineering, Applied Mathematics, Manufacturing Engineering, Quantitative Analysis)
+ working experience in information technology



TOEFL score: 79, OR
IELTS overall band score: 6.5, OR
CET-6 score: 450

Programme Structure

Core Courses

(10 credit units)

CS5285	Introduction to Cybersecurity
CS5293	Topics in Information Security and Privacy
CS5294	Information Security Technology Management
CS5612	Seminar on Contemporary Cybersecurity

Elective Courses Group I

(At least 12 credit units)

CS5288	Cryptography: Theory and Practice
CS5291	Cybersecurity Forensics and Incident Response
CS5292	Cybersecurity Audits and Compliance
CS6283	Advanced Topics in Mobile and IoT Security
CS5295	Network and Cloud Security
CS6290	Privacy-enhancing Technologies
CS6284	Advanced Topics in Software Security
CS5297	Topics in AI Security
CS5298	Blockchain and Web3.0 Security
CS6537	Guided Study in Information Security
CS6531	Project in Cybersecurity
CS6532	Internship in Cybersecurity

Elective Courses Group II

(At most 9 credit units)

CS5296	Cloud Computing: Theory and Practice
CS5222	Computer Networks and Internets
CS5483	Data Warehousing and Data Mining
CS5351	Software Engineering
CS5489	Machine Learning: Algorithms and Application



- » All the project and internship courses are mutually exclusive
- » Students must take 12 credit units before taking the project course
- » Students may only take the internship course in summer term and after completing at least 22 credit units
- » Students are required to take at least 12 credit units of the elective courses in Group I and at most 9 credit units of the elective courses in Group II to complete the programme

31

Total credit units

Contact Us

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